

Neo-millennial & Lens Eye View of Information Technology

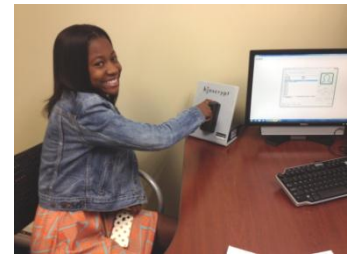
Inside scoop with the Editor:
Sydney Benning
McAuley Freshman



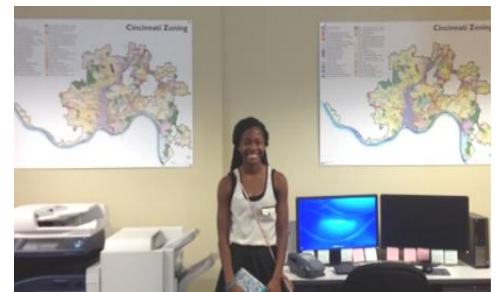
Read along as I share details on my experience at the Enterprise Technology Solutions Department, the City of Cincinnati's IT department.

Hi, my name is Sydney Benning, and I volunteered this summer as an intern for Enterprise Technology Solutions, City of Cincinnati's Department of IT. This has been an exciting summer for me. I was charged with creating the 1st Edition Newsletter of "Neo-Millennial: Lens Eye View of IT, and it was so much fun! The summer's not over, and it's been so much going on. I kept up with passions and my promise to volunteer! I have been selected as a Junior Varsity Member of the Soccer Team, plan to play basketball and I stayed committed to gain more knowledge about IT.

Whew, lots of fun and lots of fun hard work, but I would do it again. It was such an experience! I was given a project to design the 1st Youth Newsletter and they walked me through it hand-by-hand, but I stepped out of my comfort zone, and got the job done! Kudos to all the staff that I interviewed and who supported me. A special shout out to Tia, who guided me, and helped me along the way with any questions. There is a lot of stuff going on in IT to make things happen! I have to admit, meeting Ms. Margo Springs was one of my favorite things, because I formed a bond with a new mentor, that will last longer than any internship will – "Follow your dreams & have fun doing it! Sydney B.



Getting my finger print added to the ETS Biometrics system



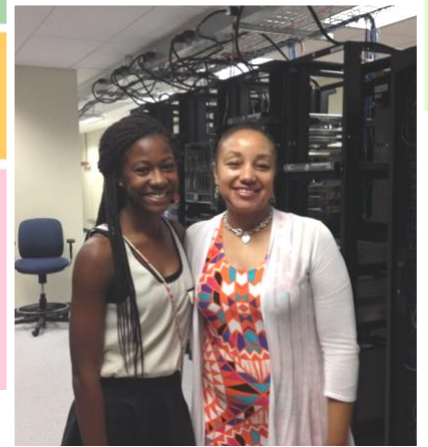
Touring the Office of Data Analytics



With Student Intern Academy inters, Madison Herzner and Jasmine Pennington

ETS DATA CENTER

FYI: The DATA CENTER houses physical servers and virtualized environment



Governance

Administration:

One of Mrs. Lemons' duties is working with the IT Governance Board. Here she explains the details.

Mrs. Lemons: "We have a Governance board and I maintain the infrastructure for that board, manage the meetings, projects and the process for the Governance Board.

The goal of the board is to provide a channel of communication through a central point of contact thereby preventing the duplication of efforts by multiple agencies. So we try to leverage resources by combining and consolidating them in the City so it saves money. If multiple departments wanted to purchase a document management system, instead of each department going out there and doing something on their own, Governance would become involved."

My first question was what is a Data Center, and what is your role?

Mrs. Lemons:" The Data Center houses our networking and storage system and we also have servers. So it houses physical servers and our virtualized environment. And in order to maintain that, we have an HVAC system and net-

botz cameras for security reasons. It also has cabinets and all the infrastructure for each one of those environments. My role is to manage the person that maintains the enterprise infrastructure in the data center."

With Cheryl Lemons, ETS ITAM checking out the ETS Data Center



I asked Mrs. Lemons to talk about virtualized environment a little more since I had never heard of that before. She explained, "ETS has a network of computers that accesses resources. It could be a server; it could be storage space or even their files. You don't know where the server it is, you don't have to know. You just know that you are able to connect to something that might not be on your computer. Its servers that are connected in one environment and people connect to those resources."

Mrs. Lemons also told me how important it is for youth to understand IT in general because the youth are the future and that one day young people are going to be utilizing and maintaining all of this and should try to understand it now.



"It is the City of Cincinnati's way of becoming more connected to the citizens of the City."

I also learned from Mr. Crowley that CincyStat is a program that was recently launched this year.

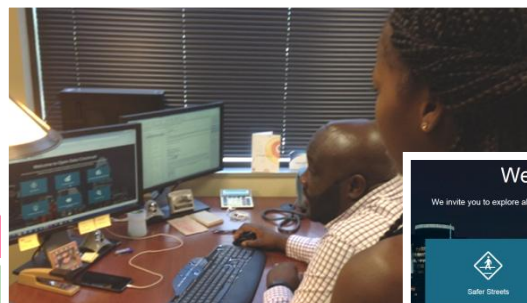
At the end of 2014 the first Chief Performance Officer (CPO) was hired and his role was to figure out how the city could do more with resources, and be more efficient in the city services that are provide to residents. The CPO manages City effectiveness in that space by having Status meetings with all of the departments.

The Performance Office made Performance Agreements so that every department would have some level of accountability. One for the ETS agreement was to help get the open data portal published and that ETS would work with the data performance office on technology. It makes sure that departments are efficient in the services that are provided to the public and that they improve on some areas of deficiency so that residents can be served better.

Mr. Crowley informed me that Open Data is important not just for youth but for everyone to know what the government is spending tax dollars on. "It also provides a level of accountability with the city elected officials and those who are the administration and the decision makers of the City. Open data is a country, if not worldwide phenomenon, that is connecting citizens with government and he thinks it's simply important that we can have our elected officials accountable and we can try to make sure that they are doing what they are supposed to be doing with the tax dollars", said Mr. Crowley.

5 Priority Goals and Open Data Set Categories:

Safer Streets
Growing Economy
Thriving and Healthy neighborhoods
Innovative Government
Fiscal Sustainability & Strategic investment



Viewing the City's Open data portal with Chief Data Officer, Brandon Crowley



CYBER SECURITY

What is cyber security?

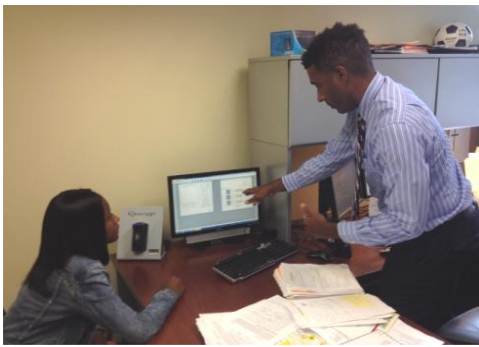
Mr. Carter:" Cyber Security is protecting technology from cyber criminals. You have all sorts of ways that cyber crimes are committed through technology; cyber security tries to prevent it from happening. Hackers are 24/7 all across the world trying to get access to people's accounts like Facebook, their video game system accounts, their desktops, laptops, anything of value they want so they can take your identity. They can use your computer for other things, they can sell illegal software. Or even use your computer to send a tax to someone like Target or TJ Maxx. Cyber security is protecting technology from criminals.

While visiting the ETS Security Office, I got to learn about Biometrics.

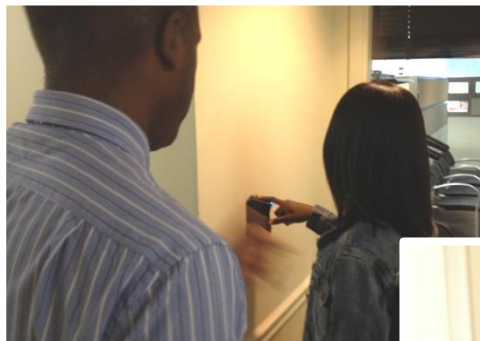
Mr. Carter explains, "Finger print scanning is important because it authenticates who is coming into our offices. For example if a visitor says they want to come into our office and we are a secure location, I can't just accept that anybody can just come into the office. You have to prove who you say you are. You have to have the authorization to be in the office. So we provide the finger print because it's another layer to say, ok they have access to our offices. It's called Biometric access. Biometrics access is using your body to authenticate who you are and there are different ways to do it. You could use your finger print, facial scan, retina and eye. There are some systems that can detect the way you walk. Some systems can detect how you write something down and allow access like that. It's just a way to provide extra security."

Mr. Carter says it's important for young people my age to understand technology because we are so close to it and it is so powerful. "You need to understand appropriate usage of the technology. There's cyber bullying going on. That's not the appropriate use for technology, so we need to educate the youth on how to use it appropriately. It's about changing your passwords, not sharing passwords. It's an educational thing. Typically, when someone gets a new iPad for Christmas, they get online and start doing all sorts of things but they don't think about the security. Hackers are asking to be your friend on Facebook. These are people that are tracking you and monitoring your day to day and they want to do some harm possibly to you or to someone in your family. So you have to protect who is following you and who your friends are."

**Logging into the system
with ISO, Doug Carter**



**Testing out the
Biometric system**



Access Granted

